Document Log Item

Addressing	
From	**To**
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CC	**BCC**
"Karen Glatzel" <kargatgdc@suddenlink.net> Carl Goldstein/R9/USEPA/US@EPA "Peter Peshut" <pjp617@uow.edu.au>	

Description			Form Used: Memo
Subject		**Date/Time**	
Pago Pago Harbor Copper Concentrations		05/31/2007 10:58 AM	
# of Attachments	**Total Bytes**	**NPM**	**Contributor**
1	43,761		Marcela VonVacano

Processing
Comments

Body

Document Body

Sara,

Anticipating your next question, we have summarized the copper and zinc receiving water analyses. This email provides the copper data.

Worksheet Copper (1) shows calculations based on all of the data.

Worksheet Copper (2) shows calculations based on data with outliers removed. Note that even the outliers are below the ASWQS which is based on the USEPA NRWQC

My approach would be to select 0.97 µg/l as the maximum receiving water concentration in the vicinity of the discharge representing background conditions for water within which the plume is diluted.

Using this value the maximum allowable effluent concentration (assimilate capacity) is calculated to be 668 µg/l. This is well above the existing effluent limitation of 108 µg/l.

The zinc data will be sent shortly.

Steve - RW Copper Summary 2001-2007-070531.xls